Confirmatory Sampling for Impaired Waters

Certain waters of the state are identified as "use impaired" due to exceedances of the Surface Water Quality Standards. The data used to classify these waters may be: (1) outdated and not reflective of current water quality conditions or (2) may have a positive bias due to older sample collection and analysis techniques now known to be inappropriate for ambient water metals monitoring. Evaluation monitoring, using newer "Clean Methods Techniques", creates a metals database accurate to 1 part per billion (ppb) for assessment relative to NJ's Surface Water Quality Standards. The determination regarding which sites and which parameters are being monitored is made by staff from the Department's Watershed Modeling and Water Assessment Teams.

Conventional parameters are being monitored concurrently with metals sampling. These data are used to expand the general water quality characterization of the waterbodies and will aid in determining boundaries and parameters for future Total Maximum Daily Load Studies. All monitoring activities are conducted under targeted flow conditions.

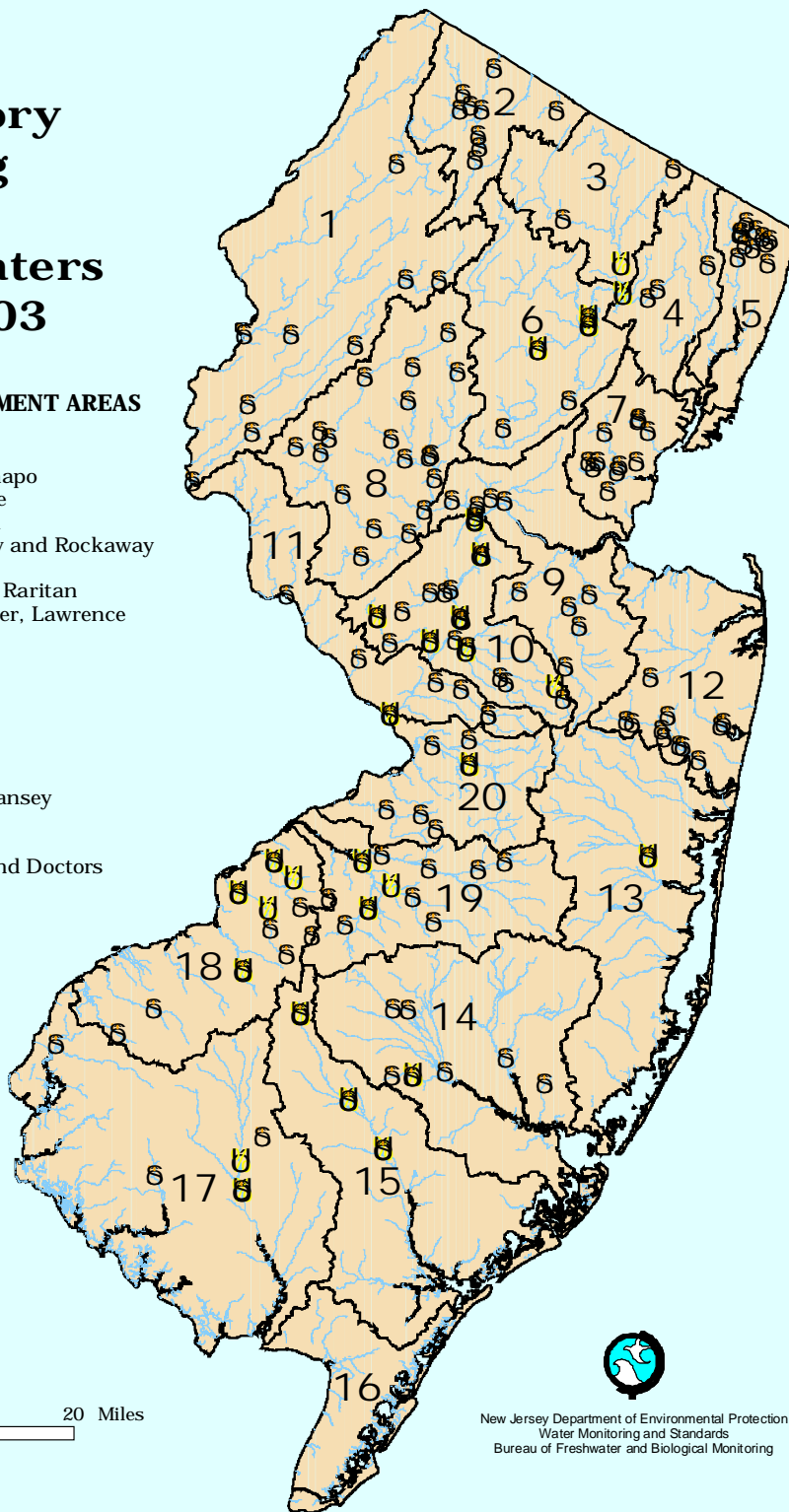# Confirmatory Sampling for Impaired Waters 1999 - 2003

WATERSHED MANAGEMENT AREAS

1. Upper Delaware
2. Wallkill
3. Pompton, Wanaque, Ramapo
4. Lower Passaic and Saddle
5. Hackensack and Pascack
6. Upper Passaic, Whippany and Rockaway
7. Arthur Kill
8. North and South Branch Raritan
9. Lower Raritan, South River, Lawrence
10. Millstone
11. Central Delaware
12. Monmouth
13. Barnegat Bay
14. Mullica
15. Great Egg Harbor
16. Cape May
17. Maurice, Salem and Cohansey
18. Lower Delaware
19. Rancocas
20. Assiscunk, Crosswicks and Doctors

LEGEND

Monitoring Site

High Flow Metals Site

Watershed Management Areas

Major Rivers/Streams

20   0   20   Miles

New Jersey Department of Environmental Protection
Water Monitoring and Standards
Bureau of Freshwater and Biological Monitoring